

Woods Hole Oceanographic Institution (WHOI) Sea Grant Program 2011 NSGO Review

Michael Liffmann

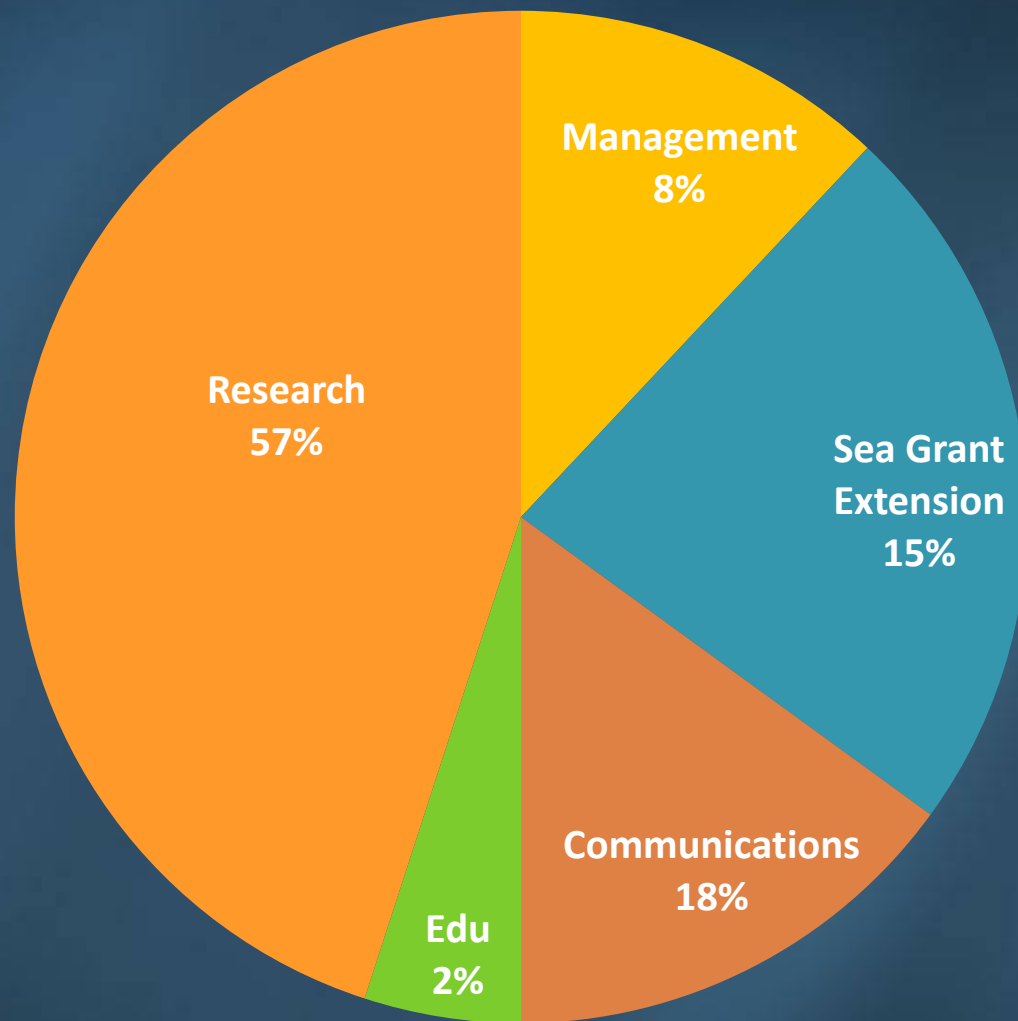
Program Management

- Management staff
 - Director Judy McDowell
 - Admin/financial support through WHOI and Jeffrey Brodeur (Communications)

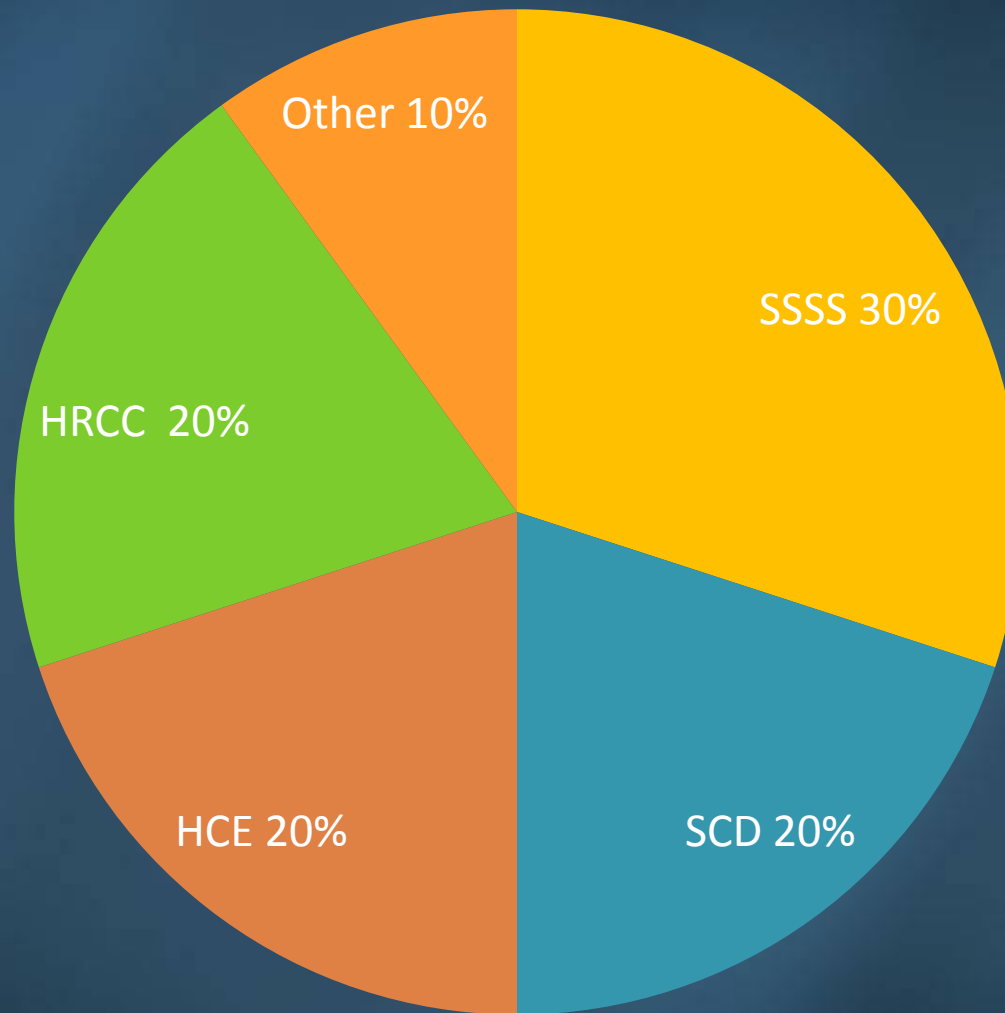
Functional Area	# of individuals	# of FTEs supported by SG	# of FTEs supported by match/leverage
Mgt/Admin	4	0.25	0.50
Comm.	3	0.87	0.63
Ext.	3	2.00	1.00
Education	1	0.25	0.75
Research	30	3.42	1.00

- Small Program

WHOI Program Budget --Functional Area



WHOI Sea Grant Plan



WHOI--Significant Program Changes (since Jan. 2010)

Heidi Clark— joining in Apr. 2011. SG and CCCE funds. Water quality and environmental risk assessment expertise.

Program Requested Changes to 2010-2013 Program Plan

None to date

WHOI Performance Measures

- Tools, technologies and information services...
- Communities adopting hazard resiliency measures and sustainable development practices
- Stakeholders modifying practices
- Fishers using new techniques
- Communities restoring degraded ecosystems

WHOI Contribution to National Performance Measures and Metrics

- Tools, technologies and information services...
 - National=150; WHOI=12
- Communities adopting hazard resiliency measures
 - National=505; WHOI=19
- (SSSS) stakeholders modifying practices
 - National=205,612; WHOI=15,000
- Communities restoring degraded ecosystems
 - National=165; WHOI=20

WHOI Program Impacts

- Fisheries and Aquaculture
 - 10 communities participate in Municipal Shellfish Propagation Program begun in 1999. If 50% of quahog seed survived to field plant size, they would be valued at over \$2.5 million;
 - 10 communities participate in Oyster Remote Set Program. Wholesale value of ~\$1.0M; involves 30+volunteers

WHOI Program Impacts

- Estuarine and Coastal Processes
 - Development of a model coastal floodplain by-law/ordinance for coastal communities
 - Analyzed shoreline data sets along 856 miles and produced map to be used by FEMA as part of pre-disaster Mitigation Initiative

WHOI- 2009 Research Accomplishments

- Distribution of *Alexandrium* cysts in the Nauset marsh. Sediments in the marsh are an important reservoir for the cysts that are responsible for HABs along NE coast. Additional NOAA funding to test different ways of removing cysts.